

Circular Connector M23

630/250V 30/9A

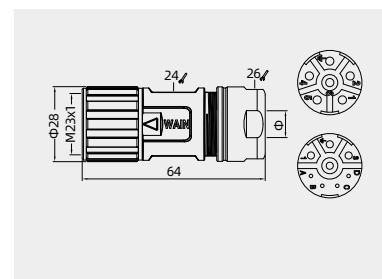
Technical characteristics

Specifications							
Specifications	DIN EN 60 664						
	DIN EN 61 984						
Approvals							
Electrical data						Mechanical date	
Number of contacts	6(5+PE)	8(4+3+PE)		9(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	5	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.35...4.0/22-12	0.03...1.5/32-16	0.35...4.0/22-12	0.14...1.5/26-16	0.35...4.0/22-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	9	30	Contact surface	gold plated
Rated voltage	630	250	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	4kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3		3	Cable outlet	4.2-17mm shielded
						Connector locking system	M23screw
						Mechanical operation	> 500
						Degree of protection	IP67

Female, Crimp terminal
order crimp contacts separately



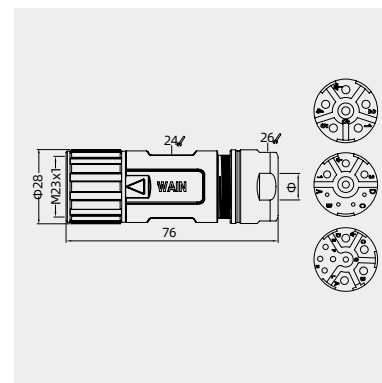
Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-FC06-T-D6.6-SH	166 006 420 2007
	7.5-12mm	M23-FC06-T-D12-SH	166 006 420 2001
	9.5-14.5mm	M23-FC06-T-D14.5-SH	166 006 420 2002
	14-17mm	M23-FC06-T-D17-SH	166 006 420 2003
8(4+3+PE)	4.2-6.6mm	M23-FC04/4-T-D6.6-SH	166 008 120 2004
	7.5-12mm	M23-FC04/4-T-D12-SH	166 008 420 2001
	9.5-14.5mm	M23-FC04/4-T-D14.5-SH	166 008 420 2002
	14-17mm	M23-FC04/4-T-D17-SH	166 008 420 2003



Female, Crimp terminal
order crimp contacts separately
Recommended use



Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-FC06-TH-D6.6-SH	166 006 420 2008
	7.5-12mm	M23-FC06-TH-D12-SH	166 006 120 2001
	9.5-14.5mm	M23-FC06-TH-D14.5-SH	166 006 120 2002
	14-17mm	M23-FC06-TH-D17-SH	166 006 120 2003
8(4+3+PE)	4.2-6.6mm	M23-FC04/4-TH-D6.6-SH	166 008 120 2005
	7.5-12mm	M23-FC04/4-TH-D12-SH	166 008 120 2001
	9.5-14.5mm	M23-FC04/4-TH-D14.5-SH	166 008 120 2002
	14-17mm	M23-FC04/4-TH-D17-SH	166 008 120 2003
9(5+3+PE)	4.2-6.6mm	M23-FC04/5-TH-D6.6-SH	166 000 199 0500
	7.5-12mm	M23-FC04/5-TH-D12-SH	166 009 420 2001
	9.5-14.5mm	M23-FC04/5-TH-D14.5-SH	166 000 199 2500
	14-17mm	M23-FC04/5-TH-D17-SH	166 009 120 2500



Crimp contacts

Crimp contacts 9A/30A



Tools

Crimping tool



No.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.5-1.5	M23-FC9G-1.5	101 031 220 0901
④	0.35-2.5	M23-FC30G-2.5	101 032 220 1001
⑤	2.5-4.0	M23-FC30G-4.0	101 032 220 1201

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	1.75	-	16.7	4.9mm

NO.	marked line	Φ	Stripping Length
④	marked line	2.25	7.5mm
⑤	-	2.85	7.5mm

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability.
Please select the tools recognized by our company.